

**Please replace the paragraph beginning on page 6, line 18 with the following paragraph:**

E3  
--The term "oligonucleotide" as used herein refers to a nucleic acid molecule comprising from about 2 to about 300 nucleotides. Oligonucleotides for use in the present invention are preferably from 80-200, more preferably from about 100-200, and even more preferably from about 100-150 nucleotides in length.--

**Please replace the paragraph beginning on page 24, line 13 with the following paragraph:**

E4  
--A single substrate supports more than about 10 different oligonucleotide and/or polynucleotide compositions and preferably more than about 100 different oligonucleotide and/or polynucleotide compositions, although in some embodiments more than about  $10^3$ ,  $10^4$ ,  $10^5$ ,  $10^6$ ,  $10^7$ , or  $10^8$  different compositions are provided on a substrate. In a preferred embodiment, the number of oligonucleotide compositions on an array ranges from about 2 to about  $10^9$ . Of course, within a region of the substrate in which a modified oligonucleotide or polynucleotide is attached, it is preferred that the modified nucleotides be substantially pure. In preferred embodiments, regions of the substrate contain oligonucleotides or polynucleotides which are at least about 50%, preferably 80%, more preferably 90%, and even more preferably, 95% pure. Oligonucleotides or polynucleotides having several sequences can be intentionally provided within a single region so as to provide an initial screening for biological activity, after which materials within regions exhibiting significant binding are further evaluated. In a preferred embodiment, each region will contain a substantially pure modified oligonucleotide or polynucleotide composition having a single sequence.--

**In the Claims:**

**Please amend claims 35 & 36 as follows:**

E5  
35. (Twice Amended) The array of claim 34, wherein the modified oligonucleotides further comprise an end block at the 3' end and exhibit exonuclease resistance of at least twice that of a naturally occurring oligonucleotide having the same sequence and number of bases.

36. (Twice Amended) The array of claim 34, wherein the modified oligonucleotides further comprise an end block at the 5' end and exhibit exonuclease resistance of at least twice that of a naturally occurring oligonucleotide having the same sequence and number of bases.